




IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: van de Ligt et al.
Title: SYSTEM FOR AND METHOD
OF CUSTOMIZING AN ANIMAL
FEED BASED ON NUCLEIC
ACID MATERIAL CONTENT
Appl. No.: 10/656,990
Filing Date: 09/05/2003
Examiner:
Art Unit: 2862

CERTIFICATE OF EXPRESS MAILING	
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INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

The USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) to submit copies of U.S. patents and U.S. patent application publications when citing and submitting an Information Disclosure Statements in a patent application filed after June 30, 2003 and in an international application that has entered the national stage under 37 USC §371 after June 30, 2003. Accordingly, copies of these types of documents are not being supplied in connection with this application. Reference is being made to Pre-OG Notice from Office of Patent Legal Administration dated July 25, 2003, *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003.*

Applicants submit herewith on Form PTO/SB/08 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 10/175,512, filed 06/19/2002. As provided in 37 CFR §1.98(d), copies of the patents are not being provided since they were

previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

The relevance of the foreign-language document is explained in the parent application.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 06-1447. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1447.

Respectfully submitted,

Date 3/3/2004

By Michael S. Brayer

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: March 3, 2004

Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/656/990
Filing Date	09/05/2003
First Named Inventor	Christian P.A. Van de Ligt
Group Art Unit	2862
Examiner Name	
Attorney Docket Number	023829-0257

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	6,135,055		Pratt	10-24-2000	
	A2	6,115,692		Liu et al.	09-05-2000	
	A3	6,076,043		Liu	06-13-2000	
	A4	5,700,590		Masor et al.	12-23-1997	
	A5	5,668,718		Liu et al.	09-16-1997	
	A6	5,478,989		Shepley	12-26-1995	
	A7	5,355,833		Legrain	10-18-1994	
	A8	5,105,767		Gordon et al.	04-21-1992	
	A9	4,712,511		Zamzow et al.	12-15-1987	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A10		WO 00/41575		Bebiak et al.	07-20-2000		
	A11		WO 02/47473 A2		Burghardi, et al.	06-20-2002		
	A12		EP 0 715 806 A1		Möller, Friedrich, Dipl.-ing. et al.	06-12-1996		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A13	CARVER ET AL., "The Role Of Nucleotides In Human Nutrition," Nutritional Biochemistry, 1995, Vol. 6, February, pp. 58-72.	
	A14	BERNARD DEVRESSE, "Nutrient Levels In Some Commercial Shrimp Feeds And Feed Ingredients Of Asia And Latin America – A Comparative Analysis," Inve Aquaculture N.V.Oeverstraat, 7 B-9200 Belgium, pp. 49-70.	
	A15	J. P. F. D'MELLO, "Utilization Of Dietary Purines And Pyrimidines By Non-Ruminant Animals," Proc. Nutr. Soc. (1982), 41, pp. 301-308.	
	A16	MICHAEL HOWIE, "Condensed Porcine Solubles Suitable Source Of Energy, Protein For Swine," Feedstuffs, October 26, 1998, The Miller Publishing Company, a company of Rural Press Ltd.	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: March 3, 2004 (use as many sheets as necessary)		Complete if Known	
Application Number		10/656/990	
Filing Date		09/05/2003	
First Named Inventor		Christian P.A. Van de Ligt	
Group Art Unit		2862	
Examiner Name			
Attorney Docket Number		023829-0257	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A17	KARASAWA ET AL., "Effect Of Dietary RNA On Growth And Food Intake Of Young Chicks," Japanese Poultry Science, 2 (3), 1990, pp. 165-172.	
	A18	KUBOTA ET AL., "Adverse Effects Of Low Concentrations Of Dietary RNA Addition On The Growth, Food Intake And Kidney Weight Of Young Chickens," British Poultry Science (1994) 35: pp. 585-588.	
	A19	KULKARNI ET AL., "The Role Of Dietary Sources Of Nucleotides In Immune Function: A Review," Symposium: Dietary Nucleotides: A Recently Demonstrated Requirement for Cellular Development and Immune Function, given at the Experimental Biology '93 meeting, New Orleans, LA, March 31, 1993.	
	A20	"Orotate Supplementation For Starter Diet For Swine," Nutri-Quest, Inc., 1400 Elbridge Payne Road, Chesterfield, MO 63017	
	A21	RUDOLPH ET AL., "Role Of RNA As A Dietary Source Of Pyrimidines And Purines In Immune Function," Nutrition, Vol. 6, No. 1, January/February 1990, pp. 45-52.	
	A22	TSUJINAKA ET AL., "Role Of Supplementation Of A Nucleic Acid Solution On The Intestinal Mucosa Under Total Parenteral Nutrition," Nutrition, Vol. 13, No. 4, 1997, pp.369-371.	
	A23	"What's All This Noise About Nucleotides?," Feeding Times, Vol. 6, No. 2, 2001, pp. 18-19.	
	A24	Schematic representation of computer system commercially used by Cargill, Inc. prior to December 1999, 1 page (Nutrient Gap Flowchart).	
	A25	Schematic representation of computer system commercially used by Cargill, Inc. prior to June, 2001, 3 pages, (Figures 1-3 from WO 02/47473).	
	A26	Derwent Abstract of SU 843 889; Accension Number 1982 – E5977E	
	A27	Derwent Abstract of EP 0715 806 A1; Accension Number 1996 -260514	

Examiner Signature		Date Considered	
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⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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